

Ed Sanchez
Associate Librarian/Coordinator, Library Information Technology
Raynor Memorial Libraries, Marquette University

Curriculum Vitae

I. General Background

A. Education

1. Degrees

University of Missouri, Library Science, M.L.S., May 1994.

Saint Louis University, European History, B.A., May 1982.

2. Additional Course Work for Credit

Completed program for Microsoft Certified Systems Engineer, St. Petersburg College, 1999.

Course work in Natural Sciences, Mathematics, German, Theology, 1986-1990.

Course work in Law, 45 hours, Juris Doctorate, Saint Louis University School of Law, 1984-1986.

3. Noncredit courses

Data ONTAP CIFS Administration and iSCSI Windows with NetApp Storage , 20 contact hours, Network Appliance - RTP, October 11-13, 2004

Time Management from the Inside Out, TRLN Time Management Workshop, 4 contact hours, RTP, September 28, 2004.

Leadership & Career Development Program, Institute II – Creativity, Risk Taking, and Innovation, 40 contact hours, ARL, February 7-12, 2004.

Leadership & Career Development Program, Institute I – Intentional Leadership, 40 contact hours, ARL, August 16-21, 2003.

Library Management Skills Institute II: The Management Process, 24 contact hours, TRLN/ARL/OLMS, May 19-22, 2003.

SQL Queries and Reports in ILLiad Server, 8 contact hours, Atlas Inc., May 15, 2003.

Library Management Skills Institute I: The Manager, 24 contact hours, TRLN/ARL/OLMS, May 29-31, 2002.

Administering Microsoft SQL Server 2000, 40 contact hours, DBBasics, March 4-8, 2002.

Administering ILLiad Server 6.0, 24 contact hours, Atlas, Inc., July 21-23, 2001.

Designing a Microsoft 2000 Active Directory, 16 contact hours, TechData , June 15-16, 2001.

SiteSearch/JAVA Training, 40 contact hours, OCLC, October, 13-17, 1997.

JAVA programming skills, 8 contact hours, Academic Computing, USF, 1997.

II. Employment History

A. Current Position

Marquette University, Raynor Memorial Libraries, Milwaukee, WI

Coordinator, Library Information Technology, Raynor Memorial Libraries, July 2007 to present.

Plan and manage the IT operations of the Raynor Memorial Libraries with 10 FTE positions. Responsible for providing leadership in responding to customer and staff academic computing needs, including staff training and the identification, assessment, and recommendation of new technologies. Manage networked resources, 350 public and staff workstations, the Libraries' Web site, and two electronic classrooms. Develop and administer a comprehensive technology plan that is integrated with the Libraries' strategic plan; monitor technological developments and effective practices in the field via professional literature, vendor contacts, and communication with other libraries; assist Libraries' staff with effective use and troubleshooting of a wide variety of microcomputer, networked and web-based applications; oversee the Libraries' Website and administer the local area network; coordinate the Libraries digital initiatives. Recruit and review one librarian, 3 support staff and 12 student assistant positions. Develop contracts for new IT initiatives and negotiate vendor compliance with campus IT security standards and best practices.

B. Previous Employment

University of North Carolina at Chapel Hill, University Library, Chapel Hill, NC

Head, Desktop and Network Support, Library Systems, University Library, January 2001 to June 2007.

Planned and managed the operations of the Desktop and Network Support Unit with 8 FTE staff. Responsible for management of mirrored NAS storage network (digital projects and intranet), login/file services, enterprise security updates and virus protection, applications services including 16 Windows and 2 Mac OS servers (Media Resources Center), Active Directory and DNS in support of staff and patron access to desktop applications on 1,020 Windows and Mac based client workstations and 100 networked

printers within the University Library. Coordinate operations within Desktop and Network Support, with the Unix and Web units, and with appropriate technical and managerial staff in other areas of the library to provide technical infrastructure and assistance required to implement the full range of information technologies required for library services. Recruit and review staff, and provide technical assistance and guidance to technical experts within the Unit. Assist with the management of construction and renovation projects as they involve IT functions. Serve on library and university committees; maintain communication with appropriate staff in the Health Sciences and Law Libraries and central campus IT services. Develop budgets for IT hardware and software, monitor equipment needs, identify appropriate vendors, encumber funds of \$250,000 to \$450,000 annually, receive purchases, and oversee delivery and installation of equipment purchases. Manage the LOCKSS/Portico server and technical operations, ILLiad interlibrary loan system, Docutek electronic reserves system, and Symantec/Whole Security vulnerability detection/protection systems, including hardware and software upgrades and user installations, and act as liaison to vendor technical staff. Respond with other unit staff to requests for assistance from library staff and patrons, engage in campus computing planning and policy making, and ensure that the Library is in compliance with all appropriate standards. Assess services and physical layout of Information Commons and plan for services and technologies that reflect the changing needs of user populations and the Library focus on development of digital collections and management of University scholarly output.

Skills required included a broad range of technical, management, budgetary, and supervisory functions, facility with a variety of computer operating systems and applications, an understanding of structured programming techniques, database design, and networking technologies and security, experience in training end-users, and the ability to communicate technical information effectively to non-technical Library staff and to translate the goals and objectives of Library staff into effective automation solutions as appropriate.

Systems Librarian, Library Systems, University Library, March 2000 to January 2001.

Responsibilities included the daily support of the Library Systems staff as well as all other Library units, including leadership role in the migration of library network clients and servers to Windows 2000 and administration of interlibrary loan server and other server-based products in support of technical services. Additional responsibilities included planning and implementation of server based security and antiviral tools, business continuation systems, backup and fail over capabilities for critical systems, and enhanced service strategies for meeting staff and patron demands for quality, timely support.

University of South Florida –Nelson Poynter Library, St. Petersburg, FL

Assistant University Librarian – Unix/Windows NT Administrator, 1995-2000.

Served as Electronic Information Librarian supporting research needs of upper division and graduate students at the St. Petersburg Campus of the University of South Florida. Founding member of planning and implementation group charged with development of

multicampus Virtual Library (www.lib.usf.edu/virtual). Established and maintained 100+ node library network, including UNIX and NT workstations, servers, IBM terminals and clients, CD-ROM network capabilities and interdepartmental Web pages. Responsible for planning, equipment purchases and implementation of library network, CD-ROM and Web services in new library building. Responsible for rewire and relocation of IBM SNA services. Installed PC, Macintosh, and Sun hardware and software, including implementing security measures and policies appropriate for a public access library environment. Coordinated and developed operational and instructional documentation with peer and administrative input. Acted as an internal consultant for other departments and organizations.

St. Petersburg College – Gibbs Campus, St. Petersburg, FL

Adjunct Faculty - Reference Librarian – Carpenter Library, 1996-2000.

Worked 11 hours per week providing Reference service and Internet instruction to students and faculty. Taught three LIS1002 (Electronic Library Resources) courses at the Seminole Campus Information Commons.

Saint Louis University, Pius XII Memorial Library, St. Louis, MO

Librarian Intern, Pius XII Memorial Library, 1992-1995.

While completing two graduate courses per semester, including summer sessions, rotated each semester to a different library department to learn the roles of professional librarians and the varied operations necessary to the successful functioning of a research library. Worked 32 hours per week.

During final internship year worked 40 hours per week for Library Systems doing PC/CD-ROM support, Web server and Novell 3.2 network administration.

St. Louis County Public Library, St. Louis, MO

Reference/Readers Service Paraprofessional, 1993-1995.

Worked 20-24 hours per week providing business related Reference and Information Desk service.

Saint Louis University, Pius XII Memorial Library, St. Louis, MO

Library Associate I, 1990-1992.

Performed claim activities and retrospective Xenix database claims with the assistance of two student workers. Liaison with Catalog Department in the reclassification of serials during integration of Divinity collection into main library.

Saint Louis University, Divinity Library, St. Louis, MO

Supervisor, Serials/Acquisitions Department, 1987-1990.

Responsible for preorder searching and ordering of monographic, serial, and standing order titles for theology library. Supervised four student workers in the input of serial records into an automated serials database. Responsible for input of Divinity serials records into the Missouri Union List of Serial Publications.

Saint Louis University, Divinity Library, St. Louis, MO

Library Assistant IV, Serials/Acquisitions Department, 1986-1987.

Performed data entry of serial bibliographic and check-in records into automated serials database.

III. Professional Development and Growth

A. Memberships

Library Information Technology Association (LITA), 2008-
Librarians' Association at the University of North Carolina at Chapel Hill (LAUNC-CH),
October 2000-2004.

American Library Association, 1990-1996, 2003-

Florida Association of College & Research Libraries (FACRL), 1997-1999

Florida Library Association, 1995-1999.

Suncoast Information Specialists, 1995-2000.

North Carolina Library Association, 2003-2005.

Text and Academic Authors, 1997-1999.

B. Attendance at Professional, Learned, or Scholarly Conventions and Conferences

2008

Annual Conference, LOEX, Oak Brook, IL, May 2-3.

Annual Conference, Innovative Users Group, Washington, DC, April 27-30.

Task Force, Coalition for Networked Information, Minneapolis, MN, April 7-8.

2007

Task Force, Coalition for Networked Information, Washington, DC, December 10-11.

Annual Conference, EDUCAUSE, Seattle, WA, October 23-26.

Midwinter Conference, American Library Association, Seattle, WA, January 19-24.

2006

Annual Conference, American Library Association, New Orleans, LA, June 23-30.

Joint Conference on Digital Libraries 2006, Chapel Hill, NC, June 11-15.

2005

TRLN Information Commons Symposium, Friday Center, Chapel Hill, NC, February 23.

2004

Leadership & Career Development Institute II, Association of Research Libraries, Palm Coast, FL, February 7-12.

2003

Leadership & Career Development Institute I, Association of Research Libraries, Santa Fe, NM, August 16-21.
Annual Conference, Association of College and Research Libraries, Charlotte, NC, April 11.

2002

TRLN/ARL/OLMS Library Management Institute, Research Triangle Park, NC, May 29-31.

2001

TRLN Technology Issues meeting, Research Triangle Park, NC, April 27.

2000

TRLN Open Meeting on Information Technology, Chapel Hill, NC, August 7.
TRLN Workshop, Disaster Response, Friday Center, Chapel Hill, NC, July 26.

1999

Symposium on 21st Century Teaching Technologies, USF, Tampa, FL, April 9.

1998

19th Annual Meeting, Tampa Bay Library Consortium, Tampa, FL, November 6.
Symposium on 21st Century Teaching Technologies, FUNDACITE, Merida, Venezuela, July 8-10.
Text & Academic Authors Convention, St. Petersburg, FL, June 12-13.

1997

FACRL Workshop, Distance Learning, Cocoa Beach, FL, April 8-9.

1996

Computers in Libraries, Meckler Corporation, Washington, D.C., March 5-9.
Florida Library Association, 73rd Annual Conference, Tampa FL, April 22-25.

1995

Annual Conference, American Library Association, Chicago, IL, June 22-29.

1994

Annual Conference, American Library Association, Miami, FL, LA, June 23-30.

1993

Annual Conference, American Library Association, New Orleans, LA, July 25-29.

C. Other Professionally Related Skills

During the period 2000-2003 I introduced and implemented a wide range of automation activities to the UNC Academic Affairs Library, beginning with the Migration of network services from Novell Netware to Microsoft NT and the consolidation of these and other similar services into one server plant running Windows 2000. Recently I have managed the upgrade of the network file, AD, and DNS servers to Windows 2003, implemented a

62TB mirrored storage node, incorporated centralized Symantec and Whole Security zero day virus protection, comprehensive backup and restore for Windows servers, fault tolerant clustering for critical data, online interlibrary loan and electronic reserves services, and set up access to the LOCKSS online ejournals archive. In the last four years, the focus of my work has shifted to the management of projects and personnel to further develop library automation services along these lines.

D. Fellowships, Awards, and Special Honors Received

ARL Leadership and Career Development Program, 2003/04.

Employee of the Year, University Library, University of North Carolina at Chapel Hill, 2002.

E. Grants Received

"Networked Computer Resources for a Neighborhood Preschool", from St. Louis Philanthropic Organization, St. Louis, MO, an award of hardware and software worth \$3,676 to establish the first phase of a computer lab at Neighborhood Preschool, March 1995.

IV. Professional Service

B. Committee Service

1. Library Committees

Marquette University, Raynor Memorial Libraries, Library Leadership Committee, Member, 2007- .

Marquette University, Raynor Memorial Libraries, Institutional Repository Advisory Committee, Chair, 2007- .

Marquette University, Raynor Memorial Libraries, Search Committee, Digital Projects Librarian, Member, 2003.

University of North Carolina, Portico-LOCKSS Task Force, Member, 2007.

University of North Carolina, Information Commons Task Force, Member, 2006-2007.

University of North Carolina, Library IT Council. Member, 2006-2007.

University of North Carolina, Outstanding Employee Award, Selection Committee. Member, 2003-2004.

University of North Carolina, Carolina Academic Librarian Associates, Steering Committee. Member, 2002- 2006.

University of North Carolina, Disaster Recovery Team, Member, 2001-2007.

University of North Carolina Integrated Library System, Interlibrary Loan Subcommittee, Member, 2002.

University of North Carolina, Search Committee, Electronic Documents Librarian. Member, 2002.

University of North Carolina, Search Committee, Interlibrary Loan Librarian. Member, 2002.

2. Campus or All-University Committees

University of North Carolina, Campus Support Desk Advisory Committee. Member, 2006-2007.
University of North Carolina, Campus IT Directors Security Task Force. Team Member, 2003-2007.
University of North Carolina, Campus Directory Services Support Group. Steering Committee Member, 2001-2002.
University of North Carolina, Campus Uniform Wiring Standard (Lockwood Greene), Phase IIIB, Customer Liaison, Davis Library, 2001-2003.
University of North Carolina, Campus Uniform Wiring Standard (Lockwood Greene), Phase V, Customer Liaison, Wilson Library, 2004-2006.
University of North Carolina, TRLN Videoconference Task Force, Chair, 2001.
University of South Florida, Virtual Library Interface Design Project Group, Facilitator, 1997-2000.
University of South Florida, Virtual Library Implementation Team, Member, 1995-2000.
University of South Florida, Library Merit Review Committee, Chair, 1998.
University of South Florida, Campus Faculty Committee, Member, 1988-2000.
Search Committee, USF, Reference Librarian – St. Petersburg Campus, Member, 1996.
Search Committee, USF, Electronic Information Librarian, Sarasota Campus, Member, 1996.
University of South Florida, Academic Computing Committee, Member, 1996.
University of South Florida, Systems-PC-Web-Unix-Administrators Group, Member, 1995-2000.

3. National Committees

Library Information Technology Association (LITA), Fred Kilgour Research Award, Member, 2008- .

C. Offices Held

Vice Chair, Automated Resources Interest Group, Florida Library Association, 1999.

E. Consultant Work

St. Petersburg College (2000)

At the request of Susan Anderson, Director, I consulted with library staff and campus network engineers to plan and implement a centralized library online presence via a developing campus wide portal. Using recently learned design principles and authentication procedures from the USF Virtual Library project I was able to provide guidance and move the project forward to its scheduled completion date.

F. Teaching Within the Last Ten Years

1. Formal courses taught

LIS 2002 – Introduction to the Internet. Selected textbook and prepared notes, syllabus, assignments, and exams. Worked with School of Library and Information Science to standardize course objectives. 3 credits. University of South Florida at St. Petersburg, Spring 1998, Instructor.

LIS 2002 – Introduction to the Internet. Introduction to Internet tools for academic research and communication. 3 credits. University of South Florida at St. Petersburg, Fall 1997, Instructor.

2. Supervision of library science students, including field experience students

Catherine Stanwyck worked as a Graduate Assistant under my supervision from March 2001 to September 2004. During that time she contributed code to an in-house forum application using Linux, Apache, MySQL and PHP (LAMP) and redesigned the Systems help pages on the library intranet using HTML and PERL. Using some preexisting code, Cathy automated the method for adding, updating and searching intra-departmental technical documentation. She also redesigned existing support web pages to meet campus/library guidelines while increasing functionality via forms. Cathy also learned general microcomputer support techniques and spearheaded the planning and implementation of new computers in the Art Library and the migration of computers and printers across an OS platform from University Archives to the library network.

Emily Stambaugh worked as a Graduate Research Assistant from June 2001 to May 2002. For field experience during that time she collaborated with my unit in the development of an online database using Apache, MySQL, and ColdFusion on the web side and Microsoft Access as a client interface. This application made available to web users metadata from thousands of Latin American and Iberian resources found on microfilm in the Academic Affairs Library.

3. Lectures and Papers Presented to Professional Groups

Conference Presentations

“Managing Expectations: Breaking ground for a new e-learning librarian position,” Workshop, LOEX 2008 Annual Conference, Oak Brook, IL, May 2-3, 2008.

“Intentional Visionary Leadership: Future Directors,” Poster Session, NCLA Centennial Conference / SELA Biennial Conference, Charlotte, NC, November 9-13, 2004.

"Searching Lessons for Academic Authors," Texts and Academic Authors Conference, St. Petersburg, FL, June 12-13, 1998.

"The Homepage as Virtual Library," Tampa Bay Library Consortium's 19th Annual Meeting, Tampa, FL, Nov. 6th, 1998.

"Technical Aspect of the USF Virtual Library: Milestones on the Road to Change," Simposio Sobre Tecnologias Educativas: Ensenanza para el siglo XXI, Merida, Venezuela, July 8-10, 1998.

"A Blueprint for Developing the USF Libraries Virtual Library Project," Poster Session, 8th Annual ACRL National Conference, Nashville, TN, April 11-13, 1997.

"Transformation of Media Resources Through Cyberspace," Florida Library Association, 73rd Annual Conference, Tampa, FL, April 17, 1996.

G. Community Service Directly Related to Libraries

1. Designed, built and published the USF 1996 Presidential Debate Home Page (www.stpt.usf.edu/library/debate96/).
2. Hosted and maintained the Olive B. McLin Community History Project (www.nelson.usf.edu/cmlin) on the library web server.

V. Scholarly Achievements

A. Publications

"Managing Expectations: Breaking ground for a new e-learning librarian position," Julie O'Keeffe, Edward Sanchez, *Proceedings of the 36th Annual LOEX Conference*, In publication, 2008.

Poster Session. "Intentional Visionary Leadership: Future Directors," NCLA Centennial Conference / SELA Biennial Conference, Charlotte, NC, November 9-13, 2004.

Book Review. "Endurance in Sport: Volume II of the Encyclopedia of Sports Medicine," R. J. Shepard, P.O. Astrand, Eds., E-Streams (www.e-streams.com), volume 5, no. 1 (January 2002).

Book Review. "Handbook of Internet and Multimedia Systems and Applications," Borko Furht, Ed., E-Streams (www.e-streams.com), volume 4, no. 3 (March 2001).

Book Review. "The History and Practice of Ancient Astronomy," James Evans. E-Streams (www.e-streams.com), volume 2, no. 9 (September 1999).

"Building a Virtual Library," co-authors Monica Metz-Wiseman, Tina Neville, Ardis Hanson, Kim Grohs, Susan Silver, Margaret Doherty, *College & Research Libraries News*, April, 1999.

"Writers and Writing," *Suncoast Information Specialists Newsletter*, July, 1998.

Poster Session. "A Blueprint for Developing the USF Libraries Virtual Library Project," 8th Annual ACRL National Conference, Nashville, TN, April 11-13, 1997.

"The Virtual Library Project: A Blueprint for Development," in *Education Resources Information Center (ERIC)*, U.S. Department of Education, Document number: 418704, 1997.

VI. References available upon request.